WR-35 Rev (1-10)

State of West Virginia Department of Environmental Protection Office of Oil and Gas Well Operator's Report of Well Works

DATE:	8/23/2010	
API#:	47-033-05362	

	e of Oil and Gar's Report of W		AFI	47-033-05362
Farm name: Edgar H. Williams Estate	Operator Wel	l No.: Southe	ern Unit 2H	
LOCATION: Elevation: 1190'	Quadrangle: Wolf Summit			
District: Coal	County: Harrison			
Latitude: 7446 Feet South of 39 Deg.	20 Min.	00 Sec		
Longitude 9124 Feet West of 80 Deg.	22Min.	30 Sec	.	
Company: Antero Resources Appalachian Corporation				
Address: 1625 17th Street	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Denver, CO 80202	20" 94#	38'	38'	38 Cu. Ft.
	13-3/8" 48#	930'	930'	1044 Cu. Ft.
Agent: CT Corporation System	9-5/8" 36#	2420'	2420'	979 Cu. Ft.
Inspector: Tim Bennett	5-1/2" 20#	16,060'	16,060'	4166 Cu. Ft.
Date Permit Issued: 12/01/2009			10,000	14100 00.7 1.
Date Well Work Commenced: 2/22/2010	2-3/8" 4.7#	7112'		
Date Well Work Completed: 5/16/2010				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary X Cable Rig			Receive	d
Total Vertical Depth (ft): 7158 TVD (deepest point in wait)		Of	Receive	& Cas
Total Measured Depth (ft): 16,093' MD, 7156' TVD (BHL)			AUG 18 20	
Fresh Water Depth (ft.): N/A			AUG 1 0 20	14
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				
Com Dopais (In.). N/A				
OPEN FLOW DATA (If more than two producing formations Producing formation Marcellus Pay zo Gas: Initial open flow 0 MCF/d Oil: Initial open flow	ne depth (ft) 65	777' TVD (Top	on separate she	et)
Final open flow 12,131 MCF/d Final open flow				
Time of open flow between initial and final tests 140.5	Hours	•		
Static rock Pressure 4000 psig (surface pressure) after				
Second producing formationPay zone				
Gas: Initial open flow MCF/d Oil: Initial open flow		_		
Final open flow MCF/d Final open flow Time of open flow between initial and final tests	Bbl/d			
Static rock Pressurepsig (surface pressure) after				
ertify under penalty of law that I have personally examined and	am familiar wit	th the informat	ion submitted on	this document ar

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Asklu Mehaleun Signature

8/23/2010 Date NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7271' - 15,993' MD (1512 holes)						
Frac'd w/5,292 gals 15% HCl Acid, 176,579 bbls Slick Water carrying 777,718# 100 mesh,						
3,803,159# 40/70 sand and 2,19	98,765# 20/40 sand.	nying 777,710# 100 mesn,				
Formations Encountered:	Top Depth /	Bottom Depth				
Surface:		Action Deput				
Burkett	6730'	6755'				
Tully	6756'	6888'				
Hamilton	6889'	6976'				
Marcellus	6977'	7156' TVD				
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